

Title (en)

A multi-color printer.

Title (de)

Mehrfarbendrucker.

Title (fr)

Imprimante polychrome.

Publication

EP 0172447 A1 19860226 (EN)

Application

EP 85109444 A 19850726

Priority

JP 15764084 A 19840730

Abstract (en)

A multi-color printer disclosed here includes a means for holding/releasing an ink ribbon (23) provided on a carriage (10) for carrying a recording head (9), and two ribbon spools (24, 25) of a ribbon cassette (22) mounted on a printer body constructed to transmit unidirectional turning force of a spacing motor for moving said carriage. With such arrangement, the multi-color printer serves, when recording, to do it while drawing out an ink ribbon from one of the ribbon spools during the time the carriage moves to its turning-back position; serves, with the carriage returned to its turning-back position, to hold the ink ribbon; and further serves, upon returning the carriage to its initial position, to rotate the two ribbon spools for winding the ink ribbon.

IPC 1-7

B41J 35/18; **B41J 33/08**; **B41J 33/382**

IPC 8 full level

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CPC (source: EP US)

B41J 33/08 (2013.01 - EP US); **B41J 33/382** (2013.01 - EP US); **B41J 35/18** (2013.01 - EP US)

Citation (search report)

- [Y] PATENT ABSTRACTS OF JAPAN, vol. 8, no. 94 (M-293) [1581], 28th April 1984; & JP-A-59 009 083 (CANON K.K.) 18-01-1984
- [Y] IBM TECHNICAL DISCLOSURE BULLETIN, vol. 7, no. 3, August 1967, pages 250-251, Armonk, New York, US; L.P. BERNARD: "Print mechanism ribbon feed"
- [A] PATENT ABSTRACTS OF JAPAN, vol. 7, no. 244 (M-252) [1389], 28th October 1983; & JP-A-58 131 075 (TOKYO SHIBAURA DENKI K.K.) 04-08-1983
- [A] PATENT ABSTRACTS OF JAPAN, vol. 8, no. 28 (M-274) [1465], 7th February 1984; & JP-A-58 187 395 (DAINI SEIKOSHA K.K.) 01-11-1983
- [A] PATENT ABSTRACT OF JAPAN, vol. 6, no. 4 (M-106) [882], 12th January 1982; & JP-A-56 127 482 (NIPPON DENSHIN DENWA KOSHA) 06-10-1981
- [A] PATENT ABSTRACTS OF JAPAN, vol. 5, no. 131 (M-84) [803], 21st August 1981; & JP-A-56 067 287 (SEIKOUSHIYA K.K.) 06-06-1981

Cited by

CN108973342A; EP0679525A3; GB2306916B; US5975777A; GB2202492A; GB2202492B; AU603190B2; FR2716412A1; GB2238509A; GB2238509B; EP0290334A1; FR2614837A1; WO9718089A1

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